

Application Serial No. 10/674,162  
Reply to Office Action of July 19, 2006

PATENT  
Docket: CU-3338

### **Amendments to the Specification**

Please replace the title of the invention with the following new title:

#### **DUAL FILTER, UPRIGHT VACUUM CLEANER WITH DETACHABLE HOSE**

Please replace paragraph [0002] of the specification as it was published and which paragraph begins on page 1, line 5, with the following amended paragraph:

**[0002]** The present invention relates generally to vacuum cleaners, and more specifically to upright [[type]] vacuum cleaners having a cyclone dust collecting apparatus detachably mounted along a path between a dust collecting chamber, including a dust bag, and a suction brush.

Please replace paragraph [0006] of the specification as it was published and which paragraph begins on page 2, line 5, with the following amended paragraph:

**[0006]** According to the vacuum cleaner having the above-described structure, in which the dust and filth is collected only in the dust bag, because the dust bag is a consumable material, frequent changes of the dust bag are required. Therefore, an upright [[type]] vacuum cleaner having a structure which enables extending of the usable life cycle of the dust bag and which improves the efficiency of dust collecting, is required.

Please replace paragraph [0007] of the specification as it was published and which paragraph begins on page 2, line 12, with the following amended paragraph:

**[0007]** The present invention has been made to overcome the above problems, and an

Application Serial No. 10/674,162  
Reply to Office Action of July 19, 2006

PATENT  
Docket: CU-3338

object of the present invention is to provide an upright [[type]] vacuum cleaner having an improved structure so as to extend the useful life cycle of a dust bag and to enhance dust collecting efficiency of the vacuum cleaner.

Please replace paragraph [0016] of the specification as it was published and which paragraph begins on page 4, line 15, with the following amended paragraph:

[0016] Meanwhile, according to the another embodiment of the present invention, an upright [[type]] vacuum cleaner comprises a main body including a dust collecting chamber having an air inlet and an air outlet, and a motor driving chamber in fluid communication with the air outlet, a suction brush mounted adjacent the main body of the vacuum cleaner for drawing in contaminant laden air located on a surface to be cleaned, with the suction brush being shaped and configured to come into contact with the surface to be cleaned, a cyclone dust collecting apparatus, detachably mounted at a rear side of the main body of the vacuum cleaner, and having a cyclone body for guiding the air drawn in through the suction brush and being shaped and configured to form a vortex air current, a dust receptacle detachably coupled to the cyclone body, and a grill disposed in the dust receptacle, and a flexible hose connected between the cyclone dust collecting apparatus and the suction brush for guiding the air drawn in through the suction brush to the cyclone dust collecting apparatus. The cyclone dust collecting apparatus is mounted so that the dust and filth from the air drawn in through the suction brush is separated in the cyclone dust collecting apparatus in a primary filtering operation and is separated in the dust collecting chamber of the main body of the vacuum cleaner in a secondary filtering operation. Alternatively, the cyclone dust collecting apparatus is detached and removed from the hose and the flexible hose is connected directly to the main body of the vacuum cleaner.

Application Serial No. 10/674,162  
Reply to Office Action of July 19, 2006

PATENT  
Docket: CU-3338

Please replace paragraph [0021] of the specification as it was published and which paragraph begins on page 6, line 15, with the following amended paragraph:

[0021] FIG. 1 is a perspective view showing a partially exploded upright [[type]] vacuum cleaner main body according to the present invention;

Please replace paragraph [0022] of the specification as it was published and which paragraph begins on page 7, line 1, with the following amended paragraph:

[0022] FIG. 2 is a perspective view showing the upright [[type]] vacuum cleaner according to the present invention from the rear,

Please replace paragraph [0027] of the specification as it was published and which paragraph begins on page 7, line 13, with the following amended paragraph:

[0027] Hereinafter, referring to the accompanying drawings, an upright [[type]] vacuum cleaner will be illustrated according to an embodiment of the present invention.

Please replace paragraph [0028] of the specification as it was published and which paragraph begins on page 7, line 15, with the following amended paragraph:

[0028] Referring to FIGS. 1 and 2, the upright [[type]] vacuum cleaner according to the embodiment of the present invention comprises a main body 10 of the vacuum cleaner having a dust collecting chamber 11 and a motor driving chamber 13, a suction brush 15 removably disposed adjacent the main body 10 of the vacuum cleaner, a dust bag

Application Serial No. 10/674,162  
Reply to Office Action of July 19, 2006

PATENT  
Docket: CU-3338

12 for separating and collecting contaminants, such as dust and filth, from air drawn in through the suction brush 15, and a cyclone dust collecting apparatus 17, removably disposed at a rear portion of the main body 10 of the vacuum cleaner.

Please replace paragraph [0031] of the specification as it was published and which paragraph begins on page 8, line 13, with the following amended paragraph:

[0031] The cyclone body 20, as shown in greater detail in FIG. 4, comprises an upper body 21 and a lower body 23 secured to the upper body 21 with a screw or other appropriate attachment means. The upper body 21 is coupled with a duct 40 and is provided with a cyclone air inlet 25 in fluid communication with the suction brush 15 by a ~~path-forming member~~ the air suction pipe 50 which will be described below. One end of the duct 40 is connected to the air inlet 11a and the other end thereof is connected to a cyclone air outlet 24 formed at the cyclone dust collecting apparatus 17 (FIG. 2).

Please replace paragraph [0039] of the specification as published, which paragraph begins on page 11, line 12, with the following amended paragraph:

[0039] The cyclone dust collecting apparatus 17 is in fluid communication with the suction brush 15 through the ~~path-forming member~~ air suction pipe 50. The ~~path-forming member~~ air suction pipe 50 may employ a flexible hose which is connected at one end to the suction brush 15 and connected at another end to the cyclone air inlet 25. Alternatively, when the cyclone dust collecting apparatus 17 is separated from the main body 10 of the vacuum cleaner, one end of the flexible hose may be connected directly to the air inlet 11a of dust collecting chamber 11 in the main body 10 of the vacuum cleaner, as shown in FIG. 5.

Application Serial No. 10/674,162  
Reply to Office Action of July 19, 2006

PATENT  
Docket: CU-3338

Please replace paragraph [0041] of the specification as published, which paragraph begins on page 12, line 6, with the following amended paragraph:

[0041] Hereinafter, the operation of an upright [[type]] vacuum cleaner having the above-described structure will be described in detail according to the embodiment of the present invention.

Please replace paragraph [0047] of the specification as published, which paragraph begins on page 14, line 8, with the following amended paragraph:

[0047] The cyclone dust collecting apparatus 17 is in fluid communication with the suction brush 15 through the ~~path-forming member~~ air suction pipe 50 employing the flexible hose. When dust and filth is found in a narrow space or located on a high surface, the cleaning operation may be conducted by separating the ~~path-forming member~~ air suction pipe 50 from the suction brush 15 and connecting the auxiliary brush 70 thereto, as shown in FIG. 6.

Please replace paragraph [0048] of the specification as published, which paragraph begins on page 14, line 13, with the following amended paragraph:

[0048] With the upright [[type]] vacuum cleaner according to the present invention, the small sized cyclone dust collecting apparatus separates and collects the dust and filth in a primary filtration step and so extends the life cycle of the dust bag 12. Also, since the vacuum cleaner employs the cyclone type dust collecting apparatus providing for dust collecting with high efficiency, as well as the dust bag, in sequential filtering steps, the quantity of the collected dust increases and the user convenience is also improved.